

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	1	of	23	Attorney Docket Number	51687-0261 (51687-331126)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ⁴	Kind Code ⁵ (if known)			
	1	4,670,388		Rubin et al.	06/02/1987	
	2	4,870,009		Evans et al.	09/26/1989	
	3	4,914,025		Manoil et al.	04/03/1990	
	4	5,102,797		Tucker et al.	04/07/1992	
	5	5,162,215		Bosselman et al.	11/10/1992	
	6	5,212,080		Nag et al.	05/18/1993	
	7	5,512,483		Mader et al.	04/30/1996	
	8	5,556,782		Cooper et al.	09/17/1996	
	9	5,565,362		Rosen	10/15/1996	
	10	5,645,991		Berg et al.	07/08/1997	
	11	5,703,055		Felgner et al.	12/30/1997	
	12	5,733,779		Reff	03/31/1998	
	13	5,753,502		Kilgannon et al.	05/19/1998	
	14	5,861,478		Jaynes	01/19/1999	
	15	5,869,296		Nag et al.	02/09/1999	
	16	5,925,545		Reznikoff et al.	07/20/1999	
	17	5,948,622		Reznikoff et al.	09/07/1999	
	18	5,958,775		Wickstrom et al.	09/28/1999	
	19	5,962,410		Jaynes et al.	10/05/1999	
	20	5,965,443		Reznikoff et al.	10/12/1999	
	21	5,998,698		Cooper et al.	12/07/1999	
	22	6,080,912		Bremel et al.	06/27/2000	
	23	6,107,477		Whitney et al.	08/22/2000	
	24	6,140,129		Cox et al.	10/31/2000	

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered
--------------------	-------------------------------	-----------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a checkmark here if this information is checked.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/746,149
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	2	of	23	Attorney Docket Number	51687-0261 (51687-331126)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ²	Kind Code ³ (if known)			
	25	6,156,568		Cooper et al.	12/05/2000	
	26	6,159,730		Reff	12/12/2000	
	27	6,159,736		Reznikoff et al.	12/12/2000	
	28	6,171,861		Hartley et al.	01/09/2001	
	29	6,218,185		Cooper	02/17/1998	
	30	6,218,185		Shirk et al.	04/17/2001	
	31	6,255,282		Jaynes	07/03/2001	
	32	6,258,571		Chumakov et al.	07/10/2001	
	33	6,261,554		Valerio et al.	07/17/2001	
	34	6,291,214		Richards et al.	09/18/2001	
	35	6,291,243		Fogarty et al.	09/18/2001	
	36	6,291,740		Bremel et al.	09/18/2001	
	37	6,303,568		Jaynes et al.	10/16/2001	
	38	6,316,692		Readhead et al.	11/13/2001	
	39	6,358,710		Graves et al.	03/19/2002	
	40	6,376,743		Yanagimachi	04/23/2002	
	41	6,475,798		Fogarty et al.	11/05/2002	
	42	6,489,458		Hackett et al.	12/03/2002	
	43	6,492,510		Hasebe et al.	12/10/2002	
	44	6,503,729		Bult et al.	01/07/2003	
	45	6,514,728		Kai et al.	02/04/2003	
	46	6,515,199		Petitte et al.	02/04/2003	
	47	6,528,699		Meade et al.	03/04/2003	
	48	6,563,017		Muramatsu et al.	05/13/2003	

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered
--------------------	-------------------------------	-----------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/746,149
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	3	of	23	Attorney Docket Number	51687-0261 (51687-331126)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ⁴	Kind Code ⁵ (if known)			
	49	6,730,822		Ivarie et al.	05/04/2004	
	50	6,759,573		Olhoff et al.	07/06/2004	
	51	2001/0044937		Schatten et al.	11/22/2001	
	52	2002/0007051		Cheo et al.	01/17/2002	
	53	2002/0013955		Ogden et al.	01/31/2002	
	54	2002/0028488		Singh et al.	03/07/2002	
	55	2002/0028513		Fogarty et al.	03/07/2002	
	56	2002/0042137		Richards et al.	04/11/2002	
	57	2002/0052047		Hasebe et al.	05/02/2002	
	58	2002/0053092		Readhead et al.	05/02/2002	
	59	2002/0055172		Harrington	05/09/2002	
	60	2002/0056148		Readhead et al.	05/09/2002	
	61	2002/0072097		delCardayre et al.	06/13/2002	
	62	2002/0076797		Lin	06/20/2002	
	63	2002/0083479		Winston et al.	06/27/2002	
	64	2002/0099015		Barber	07/25/2002	
	65	2002/0104109		Bremel et al.	08/01/2002	
	66	2002/0108132		Rapp	08/08/2002	
	67	2002/0119573		Shaw et al.	08/29/2002	
	68	2002/0129398		Winston et al.	09/12/2002	
	69	2002/0132349		Goryshin et al.	09/19/2002	
	70	2002/0133835		Winston et al.	09/19/2002	
	71	2002/0138865		Readhead et al.	09/26/2002	
	72	2002/0148000		Shen	10/10/2002	

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered
--------------------	-------------------------------	-----------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known		
				Application No.		
				10/746,149		
				Filing Date		
				6/22/2006		
				First Named Inventor		
<p>Sheet 4 of 23</p>				Richard K. Cooper		
				Group Art Unit		
				Examiner Name		
				Attorney Docket Number		
				51687-0261 (51687-331126)		
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ⁴	Kind Code ⁵ (if known)			
	73	2002/0150577		Lee et al.	10/17/2002	
	74	2002/0151034		Zhang et al.	10/17/2002	
	75	2002/0157125		Lee et al.	10/24/2002	
	76	2002/0160507		Novy et al.	10/31/2002	
	77	2002/0188105		Craig et al.	12/12/2002	
	78	2002/0199214		Rapp	12/26/2002	
	79	2003/0009026		Hasebe et al.	01/09/2003	
	80	2003/0017534		Buelow et al.	01/23/2003	
	81	2003/0055017		Schwarz et al.	03/20/2003	
	82	2003/0056241		Matsuda et al.	03/20/2003	
	83	2003/0061629		Sutrave	03/27/2003	
	84	2003/0074680		Lee et al.	04/17/2003	
	85	2003/0074681		Macarthur	04/17/2003	
	86	2003/0101472		Baltimore et al.	05/29/2003	
	87	2003/0115622		Ponce de Leon et al.	06/19/2003	
	88	2003/0121062		Radcliffe et al.	06/26/2003	
	89	2003/0126628		Harvey et al.	07/03/2003	
	90	2003/0126629		Rapp et al.	07/03/2003	
	91	2003/0140363		Rapp	07/24/2003	
	92	2003/0150006		Petitte et al.	08/07/2003	
	93	2003/0154502		Wimmer et al.	08/14/2003	
	94	2003/0167492		Lee et al.	09/04/2003	
	95	2003/0170888		Van de Lavoir et al.	09/11/2003	
	96	2003/0172387		Zhu et al.	09/11/2003	

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered
--------------------	-------------------------------	-----------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	
				10/746,149	
				Filing Date	
				6/22/2006	
				First Named Inventor	
<p>Sheet 5 of 23</p>				Richard K. Cooper	
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	
				51687-0261 (51687-331126)	

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ⁴	Kind Code ⁵ (if known)			
	97	2003/0177516		Horseman et al.	09/18/2003	
	98	2003/0182672		Graham et al.	09/25/2003	
	99	2003/0182675		Etches et al.	09/25/2003	
	100	2003/0217375		Zcharia et al.	11/20/2003	
	101	2003/0221206		Schatten et al.	11/27/2003	
	102	2003/0224519		Harrington et al.	12/04/2003	
	103	2004/0006776		Meade et al.	01/08/2004	
	104	2004/0018624		Harrington et al.	01/29/2004	
	105	2004/0019922		Ivarie et al.	01/09/2004	
	106	2004/0040052		Radcliffe et al.	02/26/2004	
	107	2004/0158882		Ivarie et al.	08/12/2004	

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered
--------------------	-------------------------------	-----------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	6	of	23	Attorney Docket Number	51687-0261 (51687-331126)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
	108	WO	00/30437	Wisconsin Alumni Research Foundation	06/02/2000		
	109	WO	00/56932	The University of Georgia Research Foundation, Inc.	09/28/2000		
	110	WO	01/14537	The United States of America as Represented by The Secretary of Agriculture	03/01/2001		
	111	WO	01/19846	Genzyme Transgenics Corporation	03/22/2001		
	112	WO	01/23525	Genzyme Transgenics Corporation	04/05/2001		
	113	WO	01/26455	Genzyme Transgenics Corporation	04/19/2001		
	114	WO	01/43540	Schatten	06/21/2001		
	115	WO	01/71019	A1 Savakis et al.	09/27/2001		
	116	WO	01/73094	BioAgri Corporation	10/04/2001		
	117	WO	01/85965	EMBL	11/15/2001		
	118	EP	1,375,654	GTC Biotherapeutics, Inc.	01/02/2004		
	119	WO	02/063293	Avigenics, Inc.	08/15/2002		
	120	WO	03/024199	Avigenics, Inc.	03/27/2003		

Examiner Signature	/Sumech Kaushal (01/30/2011)			Date Considered
--------------------	------------------------------	--	--	-----------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	7	of	23	Attorney Docket Number	51687-0261 (51687-331126)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴ (if known)				
	121	WO	03/025146	Avigenics, Inc.	03/27/2003		
	122	WO	03/064627	Origen Therapeutics	08/07/2003		
	123	WO	92/20316	University of Connecticut, Targetech, Inc.	11/26/1992		
	124	WO	94/20608	Creighton University Office of Technology Transfer	09/15/0994		
	125	WO	95/31566	Viagene Incorporated	11/23/1995		
	126	WO	97/47739	Board of Trustees Operating Michigan State University	12/18/1997		
	127	WO	99/09817	Biotechnology and Biological Sciences Research Council	03/04/1999		
	128	WO	99/19472	University of Georgia Research Foundation, Inc.	04/22/1999		
	129	WO	99/40213	TranXenogen	09/12/1999		
	130	WO	99/42569	Kimron Veterinary Institute	08/26/1999		
	131	WO	1993/24626	Scientific Dimensions USA Inc.	12/09/1993		
	132	WO	2000/11151	University of Georgia Research Foundation, Inc.	03/02/2000		
	133	WO	2001/17344	Biofarm	03/15/2001		

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered
--------------------	-------------------------------	-----------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	8	of	23	Attorney Docket Number	51687-0261 (51687-331126)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴ (if known)				
	134	WO	2002/47475	Kaneka Corporation	06/20/2002		
	135	WO	2003/014344	Viragen Incorporated	02/20/2003		
	136	WO	2003/048364	Avigenics, Inc.	06/12/2003		
	137	WO	2004/047531	Viragen Incorporated Oxford Biomedica PLC	06/10/2004		
	138	WO	2004/110143	IO-Genetics, Inc.	12/23/2004		

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	9	of	23	Attorney Docket Number	51687-0261 (51687-331126)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	139	Author: ABDEL-SALAM et al. Publ: <u>Appl. Microbiol. Biotechnol.</u>	Title: Expression of Mouse Anticreative Kinase (MAK33) Monoclonal Antibody in the Yeast Hansenula Polymorpha		
	140	Author: AFANASSIEFF et al. Publ: <u>Avian Diseases</u>	Title: Intratesticular Inoculation of Avian Leukosis Virus (ALV) in Chickens - Production of Neutralizing Antibodies and Lack of Virus Shedding into Semen		
	141	Author: ANDRA et al. Publ: <u>Molecular Immunology</u>	Title: Generation and Characterization of Transgenic Mice Expressing Cobra Venom Factor		
	142	Author: ARAKI et al. Publ: <u>Proc. Natl. Acad. Sci. USA</u>	Title: Site-specific Recombination of a Transgene in Fertilized Eggs by Transient Expression of Cre Recombinase		
	143	Author: ARGAUD et al. Publ: <u>Diabetes</u>	Title: Regulation of Rat Liver Glucose-6-Phosphatase Gene Expression in Different Nutritional and Hormonal States		
	144	Author: AWADE, A.C. Publ: <u>Z Lebensm Unters Forsch</u>	Title: On Hen Egg Fractionation: Applications of liquid Chromatography to the Isolation and the Purification of Hen Egg White and Egg Yolk Proteins		
	145	Author: AWADE et al. Publ: <u>Journal of Chromatography B.</u>	Title: Comparison of Three Liquid Chromatographic Methods for Egg-white Protein Analysis		

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	10	of	23	Attorney Docket Number	51687-0261 (51687-331126)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	146	Author:BEARDSLEY, T. Publ: http://www.sciam.com/2000/0200issue/0200techbus5.html	Title:Gene therapy Setback: A tragic Death Clouds the Future of an Innovative Treatment Method	Vol/Iss:	Pages: 1-2 Date: 06/11/2001
	147	Author:BELL et al. Publ: Nature	Title:Nucleotide Sequence of a cDNA Clone Encoding Human Proinsulin	Vol/Iss: Vol. 282	Pages: 525-527 Date: 11-29-1979
	148	Author:BOLLI et al. Publ: Diabetologia	Title:Insulin Analogues and Their Potential in the Management of Diabetes Mellitus	Vol/Iss: Vol. 42	Pages: 1151-1167 Date: 01-01-1999
	149	Author:BRINSTER, R.L. Publ: Science	Title:Germline Stem Cell Transplantation and Transgenesis	Vol/Iss: Vol. 296	Pages: 2174-2176 Date: 06-21-2002
	150	Author:CHATTERJEE et al. Publ: Genetic Analysis: Biomolecular Engineering	Title:Retrofitting High Molecular Weight DNA Cloned in P1: Introduction of Reporter Genes, markers in Mammalian Cells and Generation of Nested Deletions	Vol/Iss: Vol. 13	Pages: 33-42 Date: 01-01-1996
	151	Author:CIAMPI, M.S. et al. Publ: Proc Natl Acad Sci USA	Title:Transposon Tn10 Provides a Promoter for transcription of adjacent sequences	Vol/Iss: 79(16)	Pages: 5016-5020 Date: 08-01-1982
	152	Author:CIFTCI et al. Publ: Advanced Drug Delivery Reviews	Title:Applications of Genetic Engineering in Veterinary Medicine	Vol/Iss: Vol. 43	Pages: 57-64 Date: 01-01-2000

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered
--------------------	-------------------------------	-----------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	11	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	153	Author: DAVIS, M.A. et al. Publ: <u>Cell</u>	Title: Tn10 Protects Itself at two levels from fortuitous activation by external promoters		
	154	Author: DEMATTTEO et al. Publ: <u>Journal of Surgical Research</u>	Title: Engineering Tissue-Specific Expression of a Recombinant Adenovirus: Selective Transgene Transcription in the Pancreas Using the Amylase Promoter		
	155	Author: DESERT, C. et al. Publ: <u>J. Agric. Food Chem.</u>	Title: Comparisons of Different Electrophoretic Separations of Hen Egg White Proteins	Pages: 155-161	Date: 01-01-1997
	156	Author: DIERICH, A. et al. Publ: <u>The EMBO Journal</u>	Title: “Cell-Specificity of the Chicken Ovalbumin and Conalbumin Promoters”	Pages: 2305-2312	Date: 01-01-1987
	157	Author: DONG et al. Publ: <u>Trends in Endocrinology & Metabolism</u>	Title: Hepatic Insulin Production Type-1 Diabetes	Pages: 441-446	Date: 12-01-2001
	158	Author: DUPUY et al. Publ: <u>PNAS</u>	Title: Mammalian Germ-like Transgenesis by Transposition	Pages: 4495-4499	Date: 04-02-2002
	159	Author: EBARA et al. Publ: <u>Asian-Aus. J. Anim. Sci.</u>	Title: Possible Abnormalities of Chimeric Chicken Caused by the Introduction of Exogenous Genes into Chicken Embryos via Primordial Germ Cells (PGC's)	Pages: 1514-1517	Date: 01-01-2000

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	12	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
	160	Author: EBARA et al. Publ: <u>Journal of Reproduction and Development</u>	Title: In Vivo Gene Transfer into Chicken Embryos via Primordial Germ Cells Using Green Fluorescent Protein as a Marker		
	161	Author: EGGLESTON et al. Publ: <u>BMC Genetics</u>	Title: A Sensitive and Rapid Assay for Homologous Recombination in Mosquito Cells: Impact of Vector Topology and Implications for Gene Targeting		
	162	Author: ETCHES et al. Publ: <u>Proceedings, 5th World Congress, University of Guelph</u>	Title: Gene Transfer: Overcoming the Avian Problems (Abstract Provided)		
	163	Author: ETCHES et al. Publ: <u>Manipulation of the Avian Genome</u>	Title: Manipulation of the Avian Genome		
	164	Author: ETCHES, R.J. et al. Publ: <u>Methods in Molecular Biology</u>	Title: Strategies for the Production of Transgenic Chicken		
	165	Author: FALQUI et al. Publ: <u>Human Gene Therapy</u>	Title: Reversal of Diabetes in Mice by Implantation of Human Fibroblasts Genetically Engineered to Release Mature Human Insulin		
	166	Author: FISCHER, S. et al. Publ: <u>Proc. Natl. Acad. Sci. USA</u>	Title: Regulated Transposition of a Fish Transposon in the Mouse Germ Line		

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	13	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
	167	Author: PONG, K.P. et al. Publ: <u>Plasmid</u>	Title: The genes for benzene catabolism in <i>Pseudomonas putida</i> ML2 are flanked by two copies of the insertion element IS1489, forming a class-I-type catabolic transposon, Tn5542		
	168	Author: GHOSH et al. Publ: <u>Journal of Hepatology</u>	Title: Liver-directed Gene Therapy: Promises, Problems and Prospects at the Turn of the Century	Vol/Iss: 43(2) Pages: 103-110 Date: 03-01-2000	
	169	Author: GIBBINS, A.M. Publ: <u>Agri-food Research in Ontario</u>	Title: Chickens as Bioreactors - Harvesting Commercially-Valuable Proteins from the Egg	Vol/Iss: Pages: 39-41 Date: 01-01-1996	
	170	Author: GIBBINS, A.M.V. Publ: <u>Animal Biotechnology</u>	Title: Transgenic Poultry Technology and Food Production	Vol/Iss: Vol. 9 No. 3 Pages: 173-179 Date: 01-01-1998	
	171	Author: GIBBINS, A.M.V. Publ: <u>Nat. Biotechnol.</u>	Title: The Chicken, the Egg, and the Ancient Mariner	Vol/Iss: Vol. 16, No. 11 Pages: 1013-1014 Date: 01-01-1998	
	172	Author: GIBBINS et al. Publ: <u>Lohmann Information</u>	Title: Genetically-engineered Poultry	Vol/Iss: No. 21 Pages: 3-6 Date: 01-01-1997	
	173	Author: GIBBINS et al. Publ: <u>Kungl. Skogs- och Lantbruksakademiens Tidskrift</u>	Title: Exploring the Product Possibilities Arising from Transgenic Poultry Technology	Vol/Iss: Vol. 136 No. 20 Pages: 57-68 Date: 01-01-1997	

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	14	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
	174	Author: GINSBERG et al. Publ: <u>Equity Research</u>	Title: The Road Ahead for Biologics Manufacturing		
			Vol/Iss:	Pages: 1-23	Date: 01-01-2002
	175	Author: HACKETT, P.B. et al. Publ: <u>Transgenic Animals in Agriculture</u>	Title: Development of Genetic Tools for Transgenic Animals		
			Vol/Iss:	Pages: 19-35	Date: 01-01-1999
	176	Author: HAN et al. Publ: <u>AJAS</u>	Title: Gene Transfer by Manipulation of Primordial Germ Cells in the Chicken		
			Vol/Iss: 7(3)	Pages: 427-434	Date: 01-01-1994
	177	Author: HARVEY et al. Publ: <u>Nature Biotechnology</u>	Title: Expression of Exogenous Protein in the White Egg of Transgenic Chickens		
			Vol/Iss: Vol. 19 No. 4	Pages: 396-399	Date: 04-01-2002
	178	Author: HERMANN et al. Publ: <u>J. Biol. Chem.</u>	Title: Lipoprotein Receptors in Extraembryonic Tissues of the Chicken		
			Vol/Iss: Vol. 275 No. 22	Pages: 16837-16844	Date: 06-02-2000
	179	Author: HILLEL et al. Publ: <u>Poultry Science</u>	Title: Strategies for the Rapid Introgression of a Specific Gene Modification into a Commercial Poultry Flock from a Single Carrier		
			Vol/Iss: Vol. 72 No. 7	Pages: 1197-1211	Date: 01-01-1993
	180	Author: HONG et al. Publ: <u>Transgenic Research</u>	Title: Improved Transfection Efficiency of Chicken Gonadal Primordial Germ Cells for the Production of Transgenic Poultry		
			Vol/Iss: Vol. 7	Pages: 247-252	Date: 01-01-1998

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	15	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
	181	Author: HORN Publ: <u>Development Genes and Evolution</u>	Title: A Versatile Vector Set for Animal Transgenesis		
			Vol/Iss: 210 (12)	Pages: 630-637	Date: 2000
	182	Author: HOUDEBINE, L.M. Publ: <u>J. Biotechnol.</u>	Title: The Methods to Generate Transgenic Animals and to Control Transgene Expression		
			Vol/Iss: Vol. 98 Nos. 2-3	Pages: 145-160	Date: 09-25-2002
	183	Author: HOUDEBINE, L.M. Publ: <u>Transgenic Research</u>	Title: Transgenic Animal Bioreactors		
			Vol/Iss: 9 (4-5)	Pages: 305-320	Date: 10/01/2000
	184	Author: IVARIE et al. Publ: <u>TRENDS in Biotech</u>	Title: Avian Transgenesis: Progress Towards the Promise		
			Vol/Iss: 21 (1)	Pages: 14-19	Date: 01/01/2003
	185	Author: IZSVAK et al. Publ: <u>J. Mol. Biol.</u>	Title: Sleeping Beauty, A Wide Host-Range Transposon Vector for Genetic Transformation in Vertebrates		
			Vol/Iss: Vol. 302	Pages: 93-102	Date: 01-01-2000
	186	Author: JARVIS et al. Publ: <u>The Journal of Biological Chemistry</u>	Title: Influence of Different Signal Peptides and Prosequences on Expression and Secretion of Human Tissue Plasminogen Activator in the Baculovirus System		
			Vol/Iss: 268(22)	Pages: 16754-16762	Date: 08/05/1993
	187	Author: KAMINSKI et al. Publ: <u>The FASEB Journal</u>	Title: Design of a Nonviral vector for Site-selective, Efficient Integration into the Human Genome		
			Vol/Iss: Vol. 16	Pages: 1242-1247	Date: 08-01-2002

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	16	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
	188	Author: KANDA et al. Publ: <u>Molecular Endocrinology</u>	Title: Genetic Fusion of an a-Subunit Gene to the Follicle-Stimulating Hormone and Chorionic Gonadotropin-b Subunit Genes: Production of a Bifunctional Protein		
			Vol/Iss: 13 (11)	Pages: 1873-1881	Date: 11/01/1999
	189	Author: KAY et al. Publ: <u>Nature Medecine</u>	Title: Viral Vectors for Gene Therapy: the Art of Timing Infectious Agents into Vehicles of Therapeutics		
			Vol/Iss: Vol. 7 No. 1	Pages: 33-40	Date: 01-01-2001
	190	Author: KLECKNER, N. et al. Publ: <u>Fed Proc</u>	Title: Transposon Tn10: genetic organization, regulation and insertion specificity		
			Vol/Iss: 41(10)	Pages: 2649-2652	Date: 08-01-1982
	191	Author: KLUIN, Ph.M. et al. Publ: <u>Anat. Embryol.</u>	Title: Proliferation of Spermatogonia and Sertoli Cells in Maturing Mice		
			Vol/Iss: 169	Pages: 73-78	Date: 01-01-1984
	192	Author: Koga et al. Publ: <u>J Hum Genet</u>	Title: The Medaka Fish Tol2 Transposable Element can Undergo Excision in Human and Mouse Cells		
			Vol/Iss: 48 (5)	Pages: 231-235	Date: 3/28/2003
	193	Author: KOUSTENI et al. Publ: <u>Science</u>	Title: Reversal of Bone Loss in Mice by Nongenotropic Signaling of Sex Steroids		
			Vol/Iss: Vol. 298	Pages: 843-846	Date: 10-25-2002
	194	Author: KOZAK, M. Publ: <u>J. Mol. Biol.</u>	Title: At Least Six Nucleotides Preceding the AUG Initiator Codon Enhance Translation in Mammalian Cells		
			Vol/Iss: 196	Pages: 947-950	Date: 1987

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	17	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
	195	Author: KOZAK, M. <u>Publ:</u> <u>Gene</u>	Title: Initiation of translation in prokaryotes and eukaryotes Vol/Iss: 234	Pages: 187-208	Date: 1999
	196	Author: KUMARAN, J.D.S. et al. <u>Publ:</u> <u>Testis Development in White Plymouth Rock</u>	Title: The Normal Development of the Testes in the White Plymouth Rock Vol/Iss:	Pages: 511-519	Date: 01-01-1948
	197	Author: LAMPE, D. et al. <u>Publ:</u> <u>Proc. Natl. Acad. Sci. USA</u>	Title: Hyperactive transposase mutants of the Himar1 mariner transposon Vol/Iss: 96	Pages: 11428-11433	Date: 09-01-1999
	198	Author: MARSHAK, S. et al. <u>Publ:</u> <u>Proc. Natl. Acad. Sci. USA</u>	Title: Purification of the B-Cell Glucose-sentitive Factor that Transactivates the Insulin Gene Differentially in Normal and Transformed Islet Cells Vol/Iss: Vol. 93	Pages: 15057-15062	Date: 12-01-1996
	199	Author: MATHER et al. <u>Publ:</u> <u>British Poultry Science</u>	Title: The Mariner Transposable Element: A Potential Vector for Improved Integration of Transgenes into the Chicken Genome Vol/Iss: Vol. 41	Pages: S27-S28	Date: 09-01-2000
	200	Author: MEISS et al. <u>Publ:</u> <u>BioTechniques</u>	Title: Vectors for Dual Expression of Target Genes in Bacterial and Mammalian Cells Vol/Iss: 29(3)	Pages: 476, 478, 480	Date: 2000
	201	Author: MOHAMMED et al. <u>Publ:</u> <u>Immunotechnology</u>	Title: Deposition of Genetically Engineered Human Antibodies into the Egg Yolk of Hens Vol/Iss: 4	Pages: 115-125	Date: 1998

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	18	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
	202	Author: MONROE, D. et al. Publ: <u>Biochemica et Biophysica Acta</u>	Title: The COUP-adjacent repressor (CAR) Element Participates in the Tissue-Specific Expression of the Ovalbumin Gene		
	203	Author: MURAMATSU, T. et al. Publ: <u>Poultry and Avian Biology</u>	Title: Regulation of Ovalbumin Gene Expression	Vol/Iss: 1517 Pages: 27-32	Date: 01-01-2000
	204	Author: MUZZIN et al. Publ: <u>Mol Endo</u>	Title: Hepatic Insulin Gene Expressions as Treatment for aType 1 Diabetes Mellitus in Rats	Vol/Iss: 6 (2) Pages: 107-123	Date: 01-01-1995
	205	Author: NICKLIN et al. Publ: <u>Hypertension</u>	Title: Analysis of Cell-Specific Promoters for Viral Gene Therapy Targeted at the Vascular Endothelium	Vol/Iss: Vol. 11 No. 6 Pages: 65-70	Date: 01-01-2001
	206	Author: OAKBERG, E. Publ: <u>Duration of Spermatogenesis</u>	Title: Duration of Spermatogenesis in the Mouse and Timing of Stages of the Cycle of the Seminiferous Epithelium	Vol/Iss: Pages: 507-516	Date:
	207	Author: Ochiai, H et al. Publ: <u>Poultry Science</u>	Title: Synthesis of Human Erythropoietin in Vivo in the Oviduct of Laying Hens by Localized in Vivo Gene Transfer using Electroporation	Vol/Iss: 77 (2) Pages: 299-302	Date: 1998
	208	Author: ONO et al. Publ: <u>Exp. Anim.</u>	Title: Gene Transfer into Circulating Primordial Germ Cells of Quail Embryos	Vol/Iss: Vol. 4 No. 4 Pages: 275-278	Date: 01-01-1995

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Substitute for Form 1449/A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	19	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	209	Author: OSBORNE et al. <u>Publ:</u> <u>Plant J.</u>	Title: A System for Insertional Mutagenesis and Chromosomal Rearrangement Using the Ds Transposon and Crelox		
	210	Author: Pain, B et al. <u>Publ:</u> <u>Cell Tissues Organs</u>	Title: Chicken Embryonic Stem Cells and Transgenic Strategies		
	211	Author: PARK, H. <u>Publ:</u> <u>Biochemistry</u>	Title: COUP-TF Plays a Dual ROle in the Regulation of the Ovalbumin Gene		
	212	Author: PHAN et al. <u>Publ:</u> <u>Journal of Biological Chemistry</u>	Title: Structural Basis for the Substrate Specificity of Tobacco Etch Virus Protease		
	213	Author: PLATON, D. <u>Publ:</u>	Title: A Shortage of Monoclonal Antibody Manufacturing Capacity		
	214	Author: PRUDHOMME, M. et al. <u>Publ:</u> <u>J Bacteriol</u>	Title: Diversity of Tn4001 transposition products: the flanking IS256 elements can form tandem dimers and IS circles		
	215	Author: QIU, Y. <u>Publ:</u> <u>Proc. Natl. Acad. Sci.</u>	Title: Spatiotemporal Expression Patterns of Chicken Ovalbumin Upstream Promoter-Transcription Factors in the Developing Mouse Central Nervous System: Evidence for a ROle in Segmental Patterning of the Diencephalon		

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for Form 1449/A/PTO				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	20	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	216	Author: Richardson, P.D. Publ: <u>Stem Cells</u>	Title: Gene Repair and Transposon- Mediated Gene Therapy		
			Vol/Iss: 20	Pages: 112-115	Date: 2002
	217	Author: SAKAI, J. et al. Publ: <u>Genetics</u>	Title: Two classes of Tn10 transposase mutants that suppress mutations in the Tn10 terminal inverted repeat		
			Vol/Iss: 144(3)	Pages: 861-870	Date: 11-01-1996
	218	Author: Sarmasik, Aliye et al. Publ: <u>Marine Biotechnology</u>	Title: Transgenic live-bearing fish and crustaceans produced by transforming immature gonads with replication-defective pantropic retroviral vectors		
			Vol/Iss: 3 (5)	Pages: 470-477	Date: 2001
	219	Author: SASAKAWA, C. et al. Publ: <u>Prod Natl Acad Sci USA</u>	Title: Control of transposon Tn5 transposition in Escherichia coli		
			Vol/Iss: 79(23)	Pages: 7450-7454	Date: 12-01-1982
	220	Author: SCHLENSTEDT et al. Publ: <u>The Journal of Biological Chemistry</u>	Title: Structural Requirements for Transport of PreprocecropinA and Related Presecretory Proteins into Mammalian Microsomes		
			Vol/Iss: 267(34)	Pages: 24328-24332	Date: 12/05/1992
	221	Author: SCHNEIDER et al. Publ: <u>Gene: An International Journal on Genes and Genomes</u>	Title: An Epitope Tagged Mammalian / Prokaryotic Expression Vector with Positive Selection of Cloned Inserts		
			Vol/Iss: 197	Pages: 337-341	Date: 1997
	222	Author: SCHULTZ et al. Publ: <u>J. Mol. Biol.</u>	Title: Translation Initiation of ISS50R Read-through Transcripts		
			Vol/Iss: 221	Pages: 65-80	Date: 1991

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art. Unit	
				Examiner Name	
Sheet	21	of	23	Attorney Docket Number	51687-0261 (51687-331126)
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
	223	Author:SEAL et al. Publ: <u>Mol. Cell Biol.</u>	Title: Mutational Studies Reveal a Complex Set of Positive and Negative Control Elements Within the Chicken Vitellogenin II Promoter		
	224	Author:SEKINE, Y. et al. Publ: <u>Mol Gen Genet</u>	Title: Identification of the site of translational frameshifting required for production of the transposase encoded by insertion sequence IS 1 Vol/Iss: Vol. 11 No. 5 Pages: 2704-2717 Date: 05-01-1991		
	225	Author:SEKINE, Y. et al Publ: <u>Mol Gen Genet</u>	Title: DNA Sequences required for translational frameshifting in production of the transposase encoded by IS1 Vol/Iss: 235(2-3) Pages: 317-324 Date: 11-01-1992		
	226	Author:SHARMA et al. Publ: <u>Journal of Biological Chemistry</u>	Title: Pancreatic Islet Expression of the Homeobox Factor STF-1 Relies on and E-box Motif That Binds USF Vol/Iss: Vol. 271 No. 4 Pages: 2294-2299 Date: 01-26-1996		
	227	Author:SHERMAN et al. Publ: <u>Nature Biotechnology</u>	Title: Transposition of the Drosophila Element Mariner into the Chicken Germ Line Vol/Iss: Vol. 16 Pages: 1050-1053 Date: 11-01-1998		
	228	Author:SHERRATT, D. Publ: <u>Mobile DNA</u>	Title: Tn3 and Related Transposable Elements: Site-Specific Recombination and Transposition Vol/Iss: Pages: 163-184 Date: 01-01-1989		
	229	Author:SIMONS, R.W. et al. Publ: <u>Cell</u>	Title: Translational Control of IS10 transposition Vol/Iss: 34(2) Pages: 683-691 Date: 09-01-1983		

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered
--------------------	-------------------------------	-----------------

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<p>Substitute for Form 1449/A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	22	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	230	Author: SLOWINSKI et al. Publ: <u>Clinical Science</u>	Title: Pattern of Prepro-Endothelin-1 Expression Revealed by Reporter-Gene Activity in Kidneys of Erythropoietin-Overexpressing Mice		
			Vol/Iss: 103 (48)	Pages: 445-475	Date: Clinical Science
	231	Author: VILEN et al. Publ: <u>Transgenic Research</u>	Title: Construction of Gene-targeting Vectors: a Rapid Mu in vitro DNA Transposition-based Strategy Generating Null, Potentially Hypomorphic, and Conditional Alleles		
			Vol/Iss: Vol. 10	Pages: 69-80	Date: 01-01-2001
	232	Author: Von Specht, M. Publ: <u>Dissertation</u>	Title: Expression eines rekombinanten humanen Proteins in vitro und in vivo in Eileiterzellen des Huhnes, am Beispiel von humanem Erythropoetin, hrEPO (English Translation Provided)		
			Vol/Iss:	Pages: 49-68	Date: 2002
	233	Author: Wallace et al. Publ: <u>Biology the Science of Life</u>	Title:		
			Vol/Iss: 2	Pages: 235	Date: 1986
	234	Author: WANG, A. et al. Publ: <u>Genetics</u>	Title: Activation of silent genes by transposons Tn5 and Tn10.		
			Vol/Iss: 120(4)	Pages: 875-885	Date: 12-01-1988
	235	Author: XANTHOPOULOS et al. Publ: <u>European Journal of Biochemistry</u>	Title: The structure of the gene for cecropin B, an antibacterial immune protein from <i>Hyalophora cecropia</i>		
			Vol/Iss: 172	Pages: 371-376	Date: 1988
	236	Author: ZAGORAIOU, L. Publ: <u>Proc. Natl. Acad. Sci. USA</u>	Title: In vivo Transposition of Minos, a <i>Drosophila</i> Mobile Element, in Mammalian Tissues		
			Vol/Iss: 98 (20)	Pages: 11474-11478	Date: 01-01-2001

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./

Substitute for Form 1449/A/PTO				Complete if Known	
				Application No.	10/583,812
				Filing Date	6/22/2006
				First Named Inventor	Richard K. Cooper
				Group Art Unit	
				Examiner Name	
Sheet	23	of	23	Attorney Docket Number	51687-0261 (51687-331126)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²	
	237	Author:ZHUKOVA et al. Publ: <u>Transgenic Research</u>	Title: Expression of the Human Insulin Gene in the Gastric G Cells of Transgenic Mice	Vol/Iss: Vol. 10	Pages: 329-341	Date: 01-01-2001

Examiner Signature	/Sumesh Kaushal/ (01/30/2011)	Date Considered	
--------------------	-------------------------------	-----------------	--

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.K./